

## Supplementary Figure

**Figure S1.** Complete amino acid sequence of purified insect cell S-Ectodomain-GFP from the original Wuhan strain of SARS-CoV-2. Furin mutation is highlighted in yellow. The TEV site (cyan letters), flexible region (red), eGFP (green), and 12X-His tag (purple) are indicated.

MFLLTTKRTMFVFLVLLPLVSSQCVNLTTTQLPPAYTNSFRGVYYPDKVFRSSVLHSTQDLF  
LPFFSNVTWFHAIHVGSGTNGTKRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTLDSTQSLIV  
NNATNVVIKVCEFQFCNDPFLGVYYHKNNKSWMESEFRVYSSANNCTFEYVSQPFLMDLEGK  
QGNFKNLREFVKKNIDGYFKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQTLLALHRSYL  
TPGDSSSGWTAGAAAYYVGYLQPRTFLLKYNEGTITDAVDCA LDPLSETKCTLKSFTVEKGIV  
QTSNFRVQPTESIVRFPNITNLCPFGEVFNA TRFASVYAWNRKRISNCVADYSVLYNSASFSTF  
KCYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADNYKL PDDFTGCVIAWSNNL  
DSKVGGNNYNYL YRLFRKSNLKP FERDISTE IYQAGSTPCNGVEGFNCYFPLQS YGFQPTNGVG  
YQPYRVV VLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKFLPFQQFGR  
DIADTTDAVRDPQTLEILDITPCSFGGVSVITPGTNTSNQAVLYQDVNCTEVPAIHADQLTPT  
WRVYSTGSNVFQTRAGCLIGAEHVNNSYEC DIPIGAGICASYQTQTNSP **GSASSVASQSI**IAYT  
MSLGAENS VAYSNN SIAI PTNFT ISV TTEILPVSM TKT SVD CTM YIC GDST ECS NLL QYGSFCT  
QLN RALT GIA VEQDKNT QEV FAQVKQIYKTPPI KDFGGFNFSQ ILPDPSKPSKRSFIED L FNKV  
LADAGFIKQYGDCLG DIAARDLICAQKFNGLTVL PPLLTDE MIAQYT SALLA GTITSGWTF GAGA  
ALQIPFAMQMAYRFNGIGVTQNVLYENQKLIANQFNSAIGKIQDSLSS TASALGKLQDV VNQNA  
QALNTLVKQLSSNFGAISSV LNDILS RL DKV EA EVQIDR LITGRLQSLQ TYVTQQLIRAAEIRASA  
NLAATKMSECVLGQSKR VDFCGKGYH LMSFPQSAP HGVVFLHVTYVPAQEKNFTTAPAICH  
GKAHF PREGV FV SNG THW FVTQRNF YEPQI ITDNTF VSG NC DV VIGIVNN TVYDPLQPELDSF  
KEELDKYFKNHTSPD VDLGDISG INASV VNIQKEIDRLNEVAKNLNESLIDLQELGKYEQYIK **GEN**  
**LYFQGGGGGGGGGGMVSKGEELFTGVV PILVELGDVN GHKF VS GEGEG DATY GKLT**  
**LKFICTTGKLPVPWPTLV TLT YGVQCFSRYPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNY**  
**KTRAEVK FEGDTL VNRIELKGIDFKEDGNILGHKLEY NYNSHNVYIMADKQKNGIKVNFKIRHNIE**  
**DGSVQLADHYQQNTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDHMV LLEFVTAAGITLGMD**  
**LYKHHHHHHHHHHHHHH.**